

EUROPEAN PATENT OFFICE

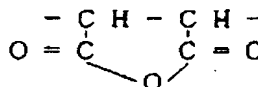
Patent Abstracts of Japan

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I

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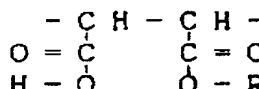


II

APPLICANT : DAIKIN IND LTD;

INVENTOR : INUKAI HIROSHI;

INT.CL. : C08F214/22 C08F 8/12 C08F 8/14
C08F222/06



III

TITLE : FLUORINE-CONTAINING COPOLYMER

ABSTRACT : PURPOSE: To obtain the title copolymer which is excellent in organic solvent solubility and water solubility and into which various functional groups can be introduced, by reacting, if necessary, an alcohol with a copolymer comprising vinylidene fluoride with maleic anhydride.

CONSTITUTION: Vinylidene fluoride and maleic anhydride each in a specified amount are copolymerized together at 0~150°C and a pressure of 0~100kg/cm².G in the presence of a radical initiator (e.g., azobisisobutyronitrile) and, if necessary, the obtained copolymer is modified with an alcohol at 50~150°C in the presence of a necessary amount of an alcohol and, e.g., a carboxylate catalyst such as zirconium octylate in a large excess of an alcohol or another organic solvent such as ethyl acetate. In this way, the title copolymer comprising 40~95mol% structural units of formula I, 5~60mol% structural units of formula II and 0~60mol% structural units of formula III (wherein R is H or an alcohol residue).

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